

Amendments to the Specification

Please replace the paragraph at page 6, line 10 starting with "The present invention" with the following rewritten paragraph:

-- The present invention may be utilized in combination with various materials, methods, systems, apparatus, etc. as described in various U.S. and PCT patent applications identified below, all of which are incorporated by reference in their respective entireties. They include U.S. Patent Application Serial No. 60/533,162, filed on December 30, 2003; 60/533,178, filed on December 30, 2003 (U.S. Patent No. 7,658,994); 10/896,392, filed July 22, 2004 (U.S. Patent No. 7,658,994); 10/713,174, filed November 14, 2003 (U.S. Patent No. 7,169,933); 10/987,522, filed November 12, 2004 (U.S. Patent No. 7,179,923); 10/714,053, filed November 14, 2003 (U.S. Patent No. 7,361,767); 10/987,075, filed November 12, 2004 (U.S. Patent No. 7,423,155); 60/533,171, filed December 30, 2003 (U.S. Patent No. 7,399,609); 10/960,491, filed October 7, 2004 (U.S. Patent No. 7,399,609); 60/533,177, filed December 30, 2003 (U.S. Patent No. 7,677,101); 60/533,176, filed December 30, 2003 (U.S. Patent Publication No. 2009-0115004); 60/533,169, filed December 30, 2003 (U.S. Patent Publication No. 2007-0281369); U.S. Patent Publication No. 2005-0153370, titled "Method of Enhancing Signal Detection of Cell-Wall Components of Cells", filed on even date herewith (~~Attorney Docket No. 59467US002~~); U.S. Patent No. 7,342,082, titled "Soluble Polymers as Amine Capture Agents and Methods", filed on even date herewith (~~Attorney Docket No. 59995US002~~); U.S. Patent No. 7,402,678, titled "Multifunctional Amine Capture Agents", filed on even date herewith (~~Attorney Docket No. 59996US002~~); PCT Application No. Patent Publication No. 2005/066622, titled "Estimating Propagation Velocity Through A Surface Acoustic Wave Sensor", filed on even date herewith (~~Attorney Docket No. 58927WO003~~); PCT Application No. Patent Publication No. 2005/066621, titled "Surface Acoustic Wave Sensor Assemblies", filed on even date herewith (~~Attorney Docket No. 58928WO003~~); PCT Application No. Patent Publication No. 2005/075973, titled "Acousto-Mechanical Detection Systems and Methods of Use", filed on even date herewith (~~Attorney Docket No. 59468WO003~~); and PCT Application No. Patent Publication No. 2005/066092, titled "Acoustic Sensors and Methods", filed on even date herewith (~~Attorney Docket No. 60209WO003~~). --

Please replace the paragraph at page 21, line 29 starting with "It may be" continuing to page 22, line 5 ending with "58928WO003.)" with the following rewritten paragraph:

-- It may be preferred that the sensor 450 be an acousto-mechanical sensor such as, e.g., a Love wave shear horizontal surface acoustic wave sensor. As depicted, the sensor 450 may preferably be attached such that, with the possible exception of its perimeter, the backside 454 of the sensor 450 (i.e., the surface facing away from the detection chamber 430) does not contact any other structures within the cartridge 410. Examples of some potentially suitable methods of attaching acousto-mechanical sensors within a cartridge that may be used in connection with the present invention may be found in, e.g., U.S. Patent Publication No. 2009-0115004 ~~Application No. 60/533,176, filed on December 30, 2003~~ as well as PCT ~~Application No. Publication No. 2005/066621~~, titled "Surface Acoustic Wave Sensor Assemblies", filed on even date herewith, (~~Attorney Docket No. 58928WO003~~). --

Please replace the paragraph at page 34, line 11 starting with "Other potentially suitable" with the following rewritten paragraph:

-- Other potentially suitable materials and constructions for use with acousto-mechanical sensors used in the detection cartridges of the present invention may be described in, e.g., PCT ~~Application No. Publication No. 2005/066092~~, titled "Acoustic Sensors and Methods", filed on even date herewith (~~Attorney Docket No. 60209WO003~~). --